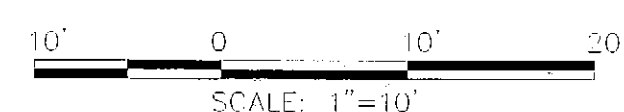


1. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT FINAL SIDEWALK OR CURB GRADE TO MEET CLEARANCE AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.20 AND MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
2. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO CONSTRUCTION SO THAT THE UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
3. VERIFY PROPOSED GEOMETRICS PRIOR TO INSTALLING SIGNAL EQUIPMENT.
4. HANDHOLE SHALL BE INSTALLED AT FINAL GRADE.
5. THE SIGNAL CONTRACTOR SHALL DETERMINE IF ANY WORK BY OTHER CONTRACTORS CAN NOT BE COMPLETED UNTIL THE INSTALLATIONS OF SIGNAL EQUIPMENT IS COMPLETE. THE SIGNAL CONTRACTOR SHALL NOTIFY OTHER CONTRACTORS OF THIS WORK.
6. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON THE COMPLETION OF THE SIGNAL MODIFICATION.

1. THE APS PUSH BUTTONS SHALL BE DELIVERED TO THE ENGINEER AT LEAST TWO (2) WEEKS PRIOR TO BEGINNING WORK, SO THAT THE PROGRAMMING MAY BE CHECKED.
2. APS WILL FUNCTION AS FOLLOWS:
 - TO CROSS MALL ACCESS
 - A. WHEN PEDESTRIAN LOCATES AND PRESSÉS PUSHBUTTON FOR AN EXTENDED TIME, THE MESSAGE WILL BE "WAIT TO CROSS CLUB AT PENNSYLVANIA, WAIT"
 - B. WHEN WALK PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK WHICH WILL LAST FOR THE DURATION OF THE WALK PHASE.
 - TO CROSS PENNSYLVANIA AVENUE
 - A. WHEN PEDESTRIAN LOCATES AND PRESSÉS PUSHBUTTON FOR AN EXTENDED TIME, THE MESSAGE WILL BE "WAIT TO CROSS PENNSYLVANIA AT CLUB, WAIT"
 - B. WHEN WALK PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK WHICH WILL LAST FOR THE DURATION OF THE WALK PHASE.
3. PUSHBUTTONS ARE TO BE LOCATED SO THAT THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR REACHING LESS THAN 18" FROM A 60" X 60" LEVEL LANDING AREA WITH A CROSS SLOPE OF LESS THAN OR EQUAL TO TWO PERCENT (2%).
4. THE 10" SEPARATION BETWEEN PUSHBUTTONS IS TO BE MEASURED FROM FACE OF PUSHBUTTON TO FACE OF PUSHBUTTON, NOT FROM CENTER OF POLE TO CENTER OF POLE.
5. PUSHBUTTON ARROWS ARE TO BE PARALLEL TO THE CROSSING FOR WHICH THEY ARE INTENDED.
6. LOCATION OF ACCESSIBLE PEDESTRIAN SIGNAL PUSHBUTTONS MUST MEET LOCATION REQUIREMENTS OF MUTCD SEC. 4E.09 AND FIG. 4E.2 AND THE NCHRP PUBLICATION, "ACCESSIBLE PEDESTRIAN SIGNALS: GUIDE TO BEST PRACTICE". IF NOT MET, THE CONTRACTOR IS TO STOP WORK ON PUSHBUTTON LOCATIONS UNTIL A DESIGN WAIVER IS OBTAINED, APPROVED BY THE ENGINEER.



A } B } C } D }	2 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
E } F }	5 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
SS }	1 CONDUCTOR (NO. 6 AWG) STRANDED COPPER GROUND WIRE
PS }	EXISTING POWER SERVICE 3 WIRE 1 CONDUCTOR (NO. 4 AWG)

THIS PROJECT INVOLVES THE INSTALLATION OF NEW SIDEWALK AND APS EQUIPMENT AT THE INTERSECTION OF US 11 (PENNSYLVANIA AVENUE) AT CLUB ROAD IN WASHINGTON COUNTY. US 11 IS ASSUMED TO RUN IN THE NORTH/SOUTH DIRECTION.

PROJECT CONTACTS:

THE CONTACT PERSONS FOR THE PROJECT ARE AS FOLLOWS:

DENNIS DODA, STATE HIGHWAY ADMINISTRATION - TRAFFIC ENGINEERING DESIGN
PHONE: (410) 787-5858

TONY TAYLOR, PROJECT MANAGER
PHONE: (301) 791-3650

SERVICE BY POTOMAC EDISON POWER, UTILITY ENGINEER
PHONE: 1-800-255-3443

MAINTENANCE OF TRAFFIC

THE TRAFFIC CONTROL PLANS PROVIDED WITHIN THIS SET OF CONSTRUCTION PLANS SHALL BE USED FOR THE PROJECT

EQUIPMENT LIST

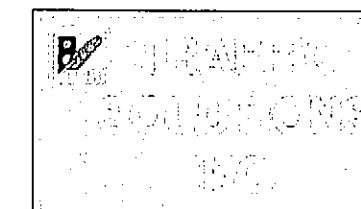
A. EQUIPMENT TO BE SUPPLIED BY THE COUNTY.	
CATEGORY CODE NO.	DESCRIPTION

UNITS	QUANTITY
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CATEGORY	DESCRIPTION
B.	EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

CODE	NO.	DESCRIPTION	UNIT	QTY
1001	2002	MAINTENANCE OF TRAFFIC	EA	1
6002	2002	TEST PIT EXCAVATION	SYN	5
6002	5	5 INCH CONCRETE SIDEWALK	SF	150
6003	6	DETECTABLE WARNING SURFACE FOR CURB RAMPS	SF	60
8008	6	AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON STATION AND SIGNS	EA	1
8009	6	BREAKAWAY PEDESTAL POLE (ANY SIZE)	EA	4
8023	6	REMOVE AND DISPOS OF EXISTING EQUIPMENT	LS	1
8023	6	UP TO 4 INCH SCHEDULE 80 RIGID PVC CONDUIT TRENCHED	EA	1
8046	6	INSTALL ELECTRICAL HANDLE	EA	1
8047	6	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE	LF	80
8053	6	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)	EA	180
8055	6	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)	EA	235
837001	6	GROUND ROD - 3/4 IN DIAMETER X 10 FOOT LENGTH	LF	4
		3RS CONDUIT UNIT INSTALLED IN CONDUIT, CABLE	EA	1

TRACKING NO. 11APWA010XX



TRAFFIC SOLUTIONS, INC.
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www.TRS|midatlantic.com



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
US 11 (PENNSYLVANIA AVE.)
AT FOUNTAINHEAD PLAZA
ACCESS/CLUB ROAD

APPROVALS		REVISIONS		SCALE 1" = 10'		DATE 4/29/1987		CONTRACT NO.	
TEAM LEADER		UPGRADE PEDESTAL SIGNALS 1-82-10 AT EAST HO. 000		DESIGNED BY M.A.M.		COUNTY Washington			
ASST. DIV. CHIEF		NR		DRAWN BY M.A.M.		LOGMILE 21001109.53			
DIVISION CHIEF				CHECKED BY D.DODA		T.I.M.S. NO.			
				F.A.P. NO. N/A		TOD NO.			
SHEET NO. 12 OF 12				DRAWING NO. 2329		OF		SHEET NO. 12 OF 12	

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